

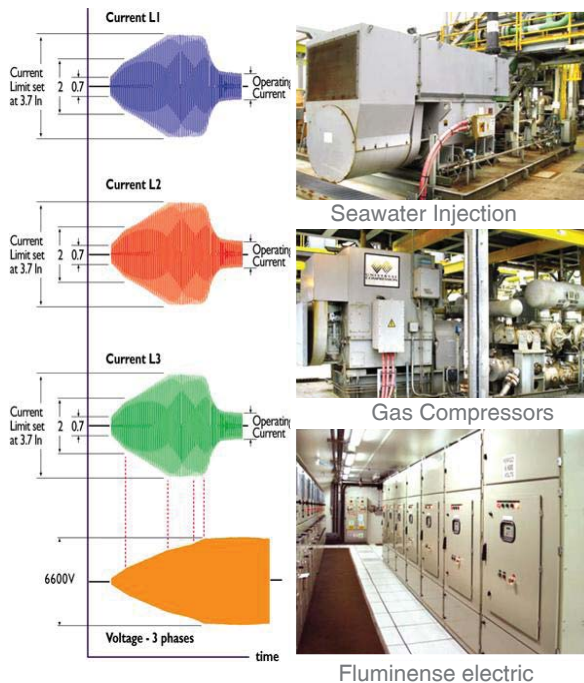
Soft Starters for the Offshore Oil & Gas Industry

Driving seawater injection pumps, gas compressors, etc.

Motor ratings: 6600V, 400A
FPSO - Fluminense



FPSO Fluminense - operated by Shell



The FPSO Fluminense is developing the Bijupira oil field off the coast of Brazil. The engineers who were responsible for supplying the motors for the pumps knew to call on Solcon for their vast experience in marine duty applications.

This application requires artificial lift to raise the reservoir fluids and gas to the surface for processing. Reservoir pressure is maintained by the high pressure injection of seawater using heavy duty MV motor driven pumps.

The requirement is to soft start seven 6.6KV motors with the goal to eliminate the high inrush electric current so it would not interfere with the FPSO electrical system. The soft starters also eliminated the damaging mechanical torque that would otherwise jar the motor shaft on every start.

Electrical contracting by Siemens

7 Medium voltage soft starters:

- 3 x 6.6KV, 400A Soft starters for gas injection compressors
- 3 x 6.6KV, 400A Soft starters for seawater injection pumps
- 1 x 6.6KV, 400A Soft starter for emergency fire pump

